

METHOD OF WRITING SERVO TRACKS FOR DISK FILE APPARATUS

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ABSTRACT OF THE DISCLOSURE

10 A method of STW (servo track write) for improving  
the quality of the servo tracks by suppressing the  
misalignment of the write start position caused by the  
asynchronous continuous vibration of a disk drive is  
disclosed. The disk drive includes a spindle motor, a  
disk medium, a write/read head and a head moving  
mechanism for carrying out the sector servo operation.  
15 The STW method comprises the steps of detecting the  
continuous vibration asynchronous with the rotational  
frequency of the spindle motor, detecting the phase of  
the asynchronous continuous vibration detected,  
determining the write start sector of each servo track  
20 based on the detected phase of the asynchronous  
continuous vibration, determining the write start time of  
each servo track in accordance with the clock signal, and  
moving the head onto the servo track where the head  
positioning information is written, by the head moving  
25 mechanism and writing the information in the servo track  
based on the write start time.

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